

reinforcing said bond; and

F1 a polymerization photoinitiator comprised of a catalytically effective amount of an organometallic complex salt having a metal cation, upon photolysis, said polymerization photoinitiator liberating at least one coordination site and polymerizing the cyanate ester substance, wherein said metal cation in the organometallic complex is selected from the group consisting of elements of Periodic Groups IVB, VB, VIB, VIIB, and VIIIB.

6. The photoinduced polymerizable cyanate ester composition of claim 1, wherein said cyanate ester substance is solvent free.

7. (FOURTH AMENDED) A process for reinforcing a bond, said process comprising the steps of:

F2 providing a cyanate ester substance consisting essentially of a cationically polymerizable cyanate ester monomer, a cyanate ester prepolymer, or a mixture of the monomer and prepolymer;

adding to the cyanate ester substance an effective amount of a filler for controlling thermal expansion of said composition and for assisting in reinforcing said bond; and

adding to the cyanate ester substance a polymerization photoinitiator comprised of a catalytically effective amount of an organometallic complex salt having a metal cation, upon photolysis, the polymerization photoinitiator liberating at least one coordination site and curing the cyanate ester substance, wherein said metal cation in the organometallic complex is selected from the group consisting of elements of Periodic Groups IVB, VB, VIB, VIIB, and VIIIB.

8. (FIFTH AMENDED) A lead protective composition for reinforcing a bond, comprising:

- FB
- (a) at least one cyanate monomer;
 - (b) a polymerization photoinitiator comprised of a catalytically effective amount of an organometallic complex salt having a metal cation, the polymerization photoinitiator liberating at least one coordinative site and polymerizing the at least one cyanate monomer, wherein said metal cation in the organometallic complex is selected from the group consisting of Periodic Groups IVB, VB, VIB, VIIB, and VIIIB; and
 - (c) a filler for controlling thermal expansion of said composition and for assisting in reinforcing said bond.
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13. (AMENDED) The lead protective composition of claim 8, further comprising a surface treating agent selected from the group consisting of vinyltrimethoxysilane, vinyltriethoxysilane, N(2-aminoethyl)3-aminopropyl methyl dimethoxysilane, 3-aminopropylethoxysilane, 3-glycidoxypropyl trimethoxysilane, 3-glycidoxypropyl methyl dimethoxysilane and combinations thereof.

14. (AMENDED) The photoinduced polymerizable cyanate ester composition of claim 1, further comprising a surface treating agent selected from the group consisting of vinyltrimethoxysilane, vinyltriethoxysilane, N(2-aminoethyl)3-aminopropyl methyl dimethoxysilane, 3-aminopropylethoxysilane, 3-glycidoxypropyl trimethoxysilane, 3-glycidoxypropyl methyl dimethoxysilane and combinations thereof.

PH 15.) (SECOND AMENDED) The photoinduced polymerizable cyanate ester composition of claim 1, wherein an amount of a surface treating agent includes from about 3 to about 15 parts based on 100 parts of the resin.

16. ^D (AMENDED) The photoinduced polymerizable cyanate ester composition of claim 1, further comprising a toughening agent selected from the group consisting of hydroxy-terminated polysulfone oligomers, elastomers, rubber, epoxy terminated elastomer, and combinations thereof.

17. The photoinduced polymerizable cyanate ester composition of claim 16, wherein said polysulfone oligomers have molecular weights ranging between approximately 500 and approximately 5000.

18. ^D (AMENDED) The process of claim 7, wherein the process further comprises adding a surface treating agent selected from the group consisting of vinyltrimethoxysilane, vinyltriethoxysilane, N(2-aminoethyl)3-aminopropyl methyldimethoxysilane, 3-aminopropylethoxysilane, 3- glycidoxypropyl trimethoxysilane, 3-glycidoxypropylmethyl dimethoxysilane and combinations thereof.